

Abstract

Methods and apparatuses for mobile device location via a network based local area augmentation system. In one embodiment a plurality of base stations each has a known location. Each base station includes a positioning receiver to generate base station location information and a link to a network to transmit the base station location information. A correction information calculation module is coupled to the network to receive base station location information from each of the base stations via the network. The correction information calculation module calculates correction information as a function of the base station location information and the known location for all of the base stations.